



bifour



 **KadieCheck** Pro Max[®]

Real-time qPCR System

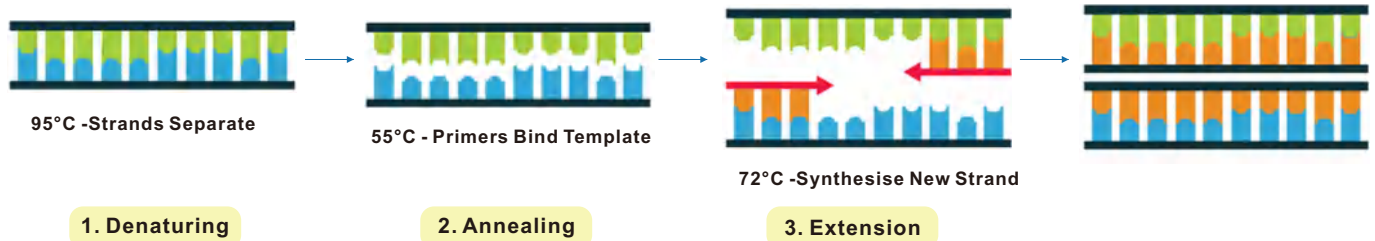
Help veterinarians make confident decision with in one hour

(For Vet Use Only)

KadieCheck Pro Max ®

Automatic real-time qPCR system polymerase chain reaction with combination technology of magnetic beads and taqman qPCR method

PCR Process(One Cycle)



1. Maximum 4 samples in one run within 9 minutes.
2. Built-in heating pad improved extraction efficiency and sensitivity greatly at least 3~5 CT value.
3. UVC disinfection function avoids cross contamination.
4. Three-step elution makes the extraction more thoroughly.



16 wells with internal control
4 pathogens in 1 well,
maximum support $16 \times 4 = 64$
pathogens detection in one run.

1. AI intelligent analysis
2. Intelligent data management software
3. Support LIS with HL7 protocol.



Various single and combo
test with positive control,
negative control and
internal control.



Shelf life 18 months
Prefilled lyophilized powder, easy
transportation and storage in room
temperature.



Why use Real-time PCR for Veterinary Diagnosis?



Antigen test within or after one week after the symptoms onset



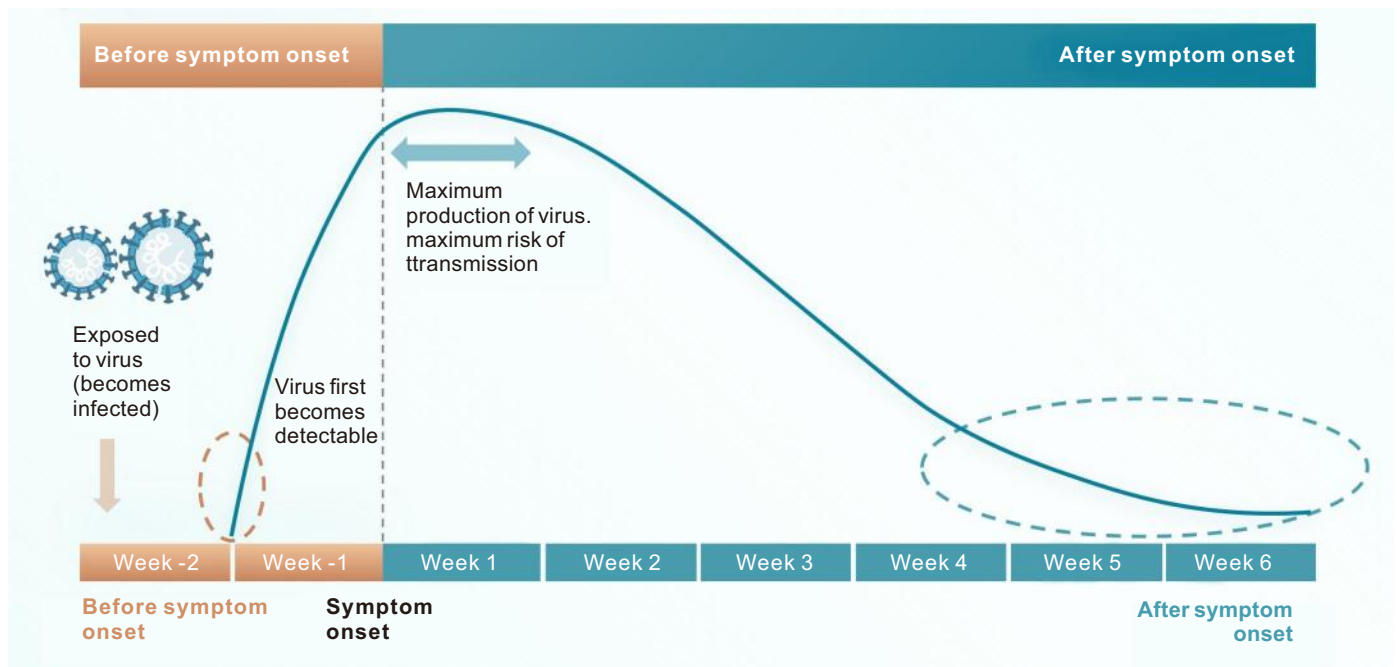
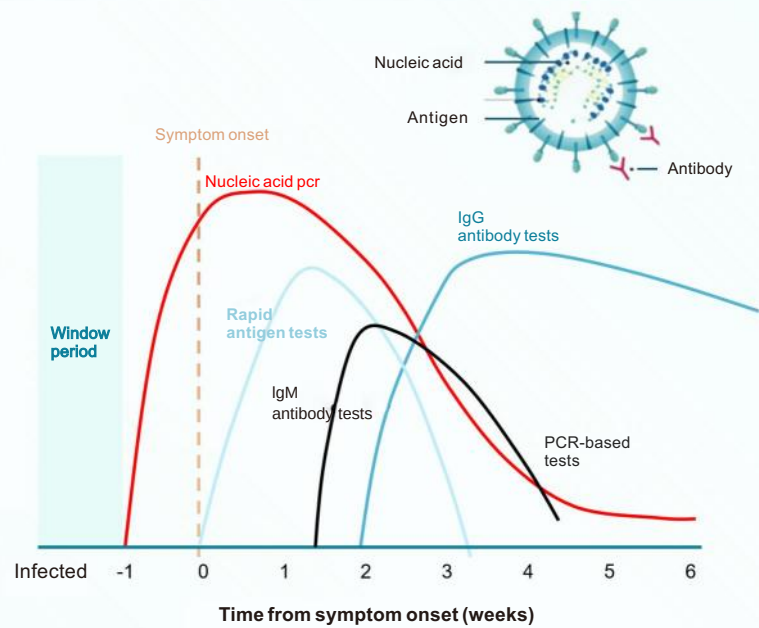
Antibody test within 2-4 weeks after symptoms onset.



Gold Standard for early diagnosis, treatment, monitoring and prognosis



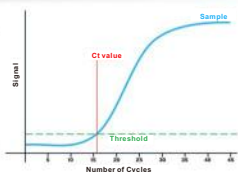
Pathogen can be detected by pcr in the initial infection period without symptoms



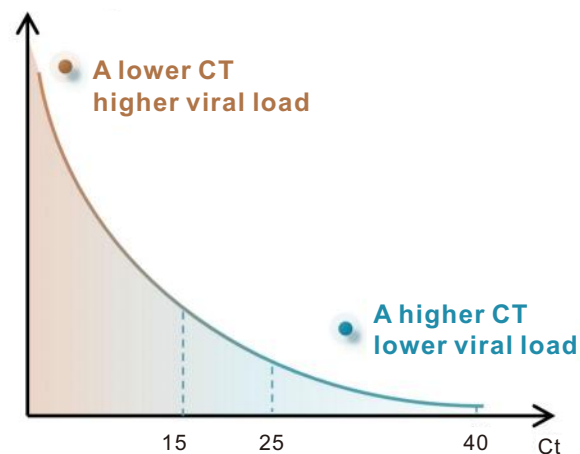
Cycle Threshold Value (CT value)

It is a measure used in Real-time PCR (qPCR) testing *to determine the presence or absence of a target nucleic acid sequence*, such as a viral RNA or DNA.

The Ct value is the cycle number at which the fluorescent signal from the amplification reaction crosses a threshold above the background noise, indicating the presence of amplification product.



Virus Loading



TEST PROCESS (result in 1 hour)

1



2

Extraction (9mins)



3

Amplification (46~51mins)



4

Report with AI analysis



SPECIFICATION

NAE2 Plus Automatic Extraction System

- Technical Principle: Magnetic bead method
- Workload: 4 samples in one run
- Built-in heating pad.
- Extraction Time= 9 mins
- Recovery rate of magnetic beads>96%
- UVC Ultraviolet disinfection
- Inter-channel Difference:CV<5%



KadieCheck (Pro Max Amplification System)

- Sample Capacity: 16 wells
- 4 Fluorescence Channels with Internal Control
- AI Intelligent Analysis
- Reaction Volume: 150~200 uL
- Amplification Time : 46~51 mins
- Positive & Negative Control are Available
- CT value CV≤0.5%
- LOD: 500 copies/mL



TEST MENU

Categories	Product		Test Menu	Type	Package
Respiratory tract	Feline	BFV002	Feline Calicivirus Detection Kit	Single	8T/Kit
	Feline	BFV003	Feline Herpesvirus Type I Detection Kit	Single	8T/Kit
	Feline/Canine	BFV014	Chlamydia Detection Kit	Single	8T/Kit
	Feline/Canine	BFV025	Mycoplasma Detection Kit	Single	8T/Kit
	Feline/Canine	BFV039	Bordetella Detection Kit	Single	8T/Kit
	Feline	BFV030	Feline Calicivirus/Feline Herpesvirus type I Detection Kit	2 in 1	8T/Kit
	Feline/Canine	BFV032	Chlamydia/Mycoplasma Detection Kit	2 in 1	8T/Kit
	Feline	BFV038	Feline Calicivirus/Feline Herpesvirus Type I/Chlamydia/Mycoplasma Detection Kit	4 in 1	8T/Kit
	Feline	BFV045	Feline Respiratory Detection Kit (Calicivirus/Herpesvirus Type I/Chlamydia/Mycoplasma /Bordetella)	5 in 1	8T/Kit
	Canine	BFV017	Canine Adenovirus Type II Detection Kit	Single	8T/Kit
	Canine	BFV018	Canine Parainfluenza Virus Detection Kit	Single	8T/Kit
	Canine	BFV019	Canine Distemper Virus Detection Kit	Single	8T/Kit
	Canine	BFV052	Canine Respiratory Detection Kit (Distemper /Adenovirus Type II/Parainfluenza Virus/Bordetella)	4 in 1	8T/Kit
	Feline/Canine	BFV074	Influenza A Virus Detection Kit	Single	8T/Kit
	Canine	BFV075	Canine Herpesvirus 1 Detection Kit	Single	8T/Kit
	Canine	BFV076	Canine Respiratory Coronavirus Detection Kit	Single	8T/Kit
	Canine	BFV077	Canine Pneumovirus Detection Kit	Single	8T/Kit
	Canine	BFV078	Canine Respiratory Disease Detection Kit (Canine Distemper virus/Canine Adenovirus Type II/Canine Parainfluenza virus/Bordetella bronchiseptica/Mycoplasma cynos/Influenza A Virus)	6 in 1	8T/Kit
	Canine	BFV079	Canine Distemper Virus / Canine Parainfluenza Virus Detection Kit	2 in 1	8T/Kit
Gastrointestinal tract	Feline/Canine	BFV001	α Coronavirus Type I Detection Kit	Single	8T/Kit
	Feline	BFV004	Feline Parvovirus Detection Kit	Single	8T/Kit
	Feline/Canine	BFV022	Giardia Lamblia Detection Kit	Single	8T/Kit
	Feline/Canine	BFV041	TriTritrichomonas Foetus Detection Kit	Single	8T/Kit
	Feline/Canine	BFV024	Cryptosporidium Detection Kit	Single	8T/Kit
	Feline/Canine	BFV031	Parvovirus/ α Coronavirus Type I Detection Kit	2 in 1	8T/Kit
	Feline/Canine	BFV046	Giardia Lamblia/TriTritrichomonas Foetus Detection Kit	2 in 1	8T/Kit
	Feline	BFV047	Feline Parvovirus/ α Coronavirus Type I /Giardia Lamblia /Tritrichomonas Foetus Detection Kit	4 in 1	8T/Kit
	Canine	BFV020	Canine Parvovirus Detection Kit	Single	8T/Kit
	Canine	BFV015	Canine Rotavirus Detection Kit	Single	8T/Kit
	Canine	BFV053	Canine Gastrointestinal Detection Kit (Canine parvovirus/ α Coronavirus type I/Giardia Lamblia /Cryptosporidium)	4 in 1	8T/Kit
Stomatitis	Feline	BFV028	Feline Immunodeficiency Virus Detection Kit	Single	8T/Kit
	Feline	BFV029	Feline Leukemia Virus Detection Kit	Single	8T/Kit
	Feline	BFV002	Feline Calicivirus Detection Kit	Single	8T/Kit
	Feline	BFV003	Feline Herpesvirus Type I Detection Kit	Single	8T/Kit
	Feline	BFV042	Feline Immunodeficiency Virus/ Feline Leukemia Virus Detection Kit	2 in 1	8T/Kit
	Feline	BFV054	Feline Stomatitis Detection Kit(Calicivirus/Herpesvirus Type I/Immunodeficiency/Leukemia Virus)	4 in 1	8T/Kit
Zoonoses	Feline/Canine	BFV005	Toxoplasma Gondii Detection Kit	Single	8T/Kit
	Feline/Canine	BFV007	Leptospira Detection Kit	Single	8T/Kit
	Feline	BFV023	Bartonella Henselae Detection Kit	Single	8T/Kit
	Feline/Canine	BFV048	Helicobacter pylori Detection Kit	Single	8T/Kit
	Feline/Canine	BFV034	Leptospira/Toxoplasma Detection Kit	2 in 1	8T/Kit
	Feline	BFV043	Bartonella Henselae/Toxoplasma Gondii Detection Kit	2 in 1	8T/Kit
	Feline/Canine	BFV049	Human Animal Transmission Detection Kit (Leptospira/Toxoplasma /Babesia canis/ Babesia gibsoni /Bartonella Henselae/Heartworm)	6 in 1	8T/Kit

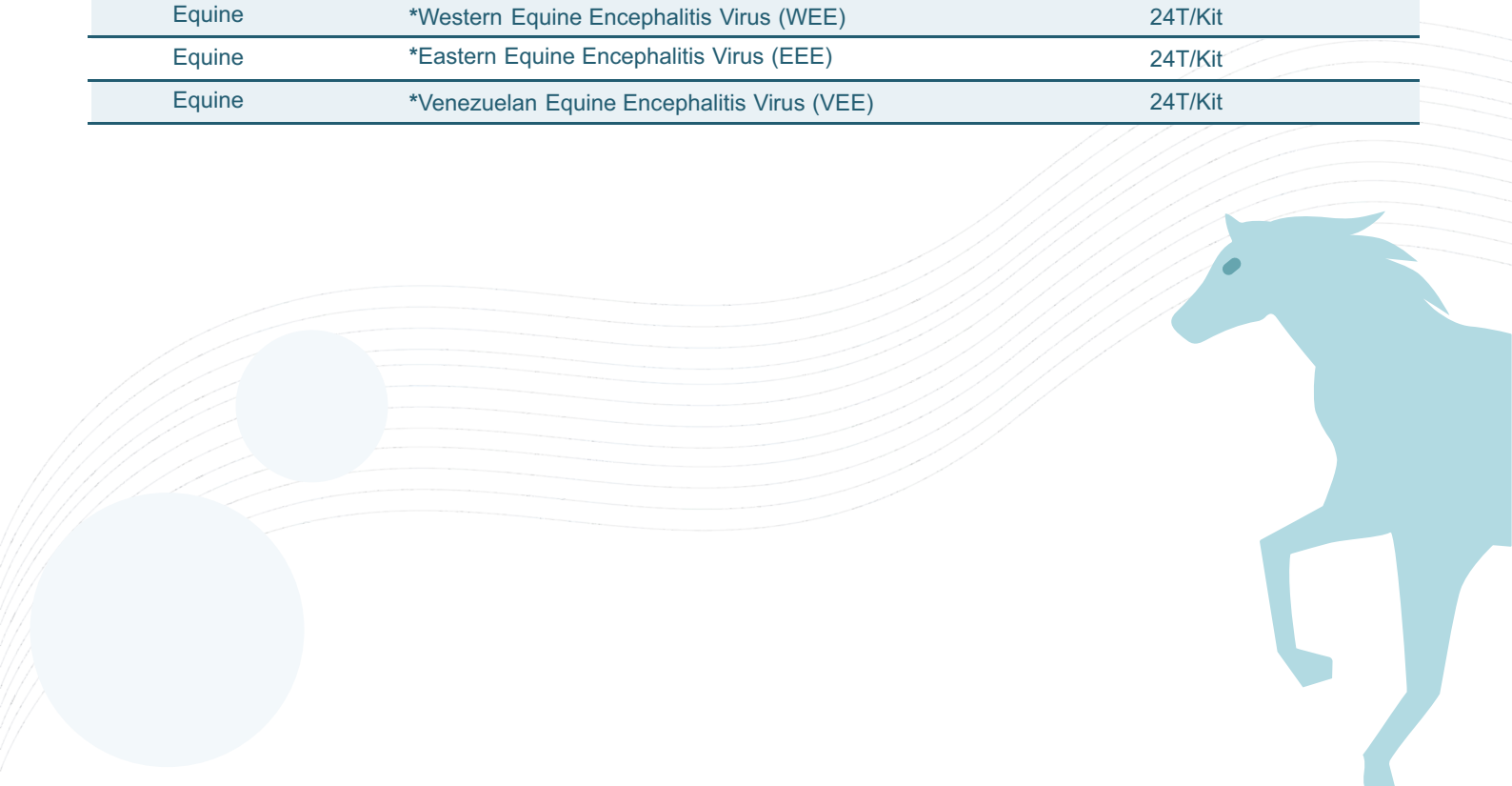
TEST MENU

Categories		Product Code	Test Menu	Type	Package
Zoonoses	Canine	BFV021	Babesia Detection Kit	Single	8T/Kit
	Canine	BFV036	Babesia canis/Babesia gibsoni Detection Kit	2 in 1	8T/Kit
	Feline/Canine	BFV061	Leishmania Detection Kit	Single	8T/Kit
	Feline/Canine	BFV006	Heartworm Detection Kit	Single	8T/Kit
	Canine	BFV068	Babesia canis Detection Kit	Single	8T/Kit
	Canine	BFV069	Babesia gibsoni Detection Kit	Single	8T/Kit
	Canine	BFV064	Canine Blood Parasites I Detection Kit(Anaplasma/ Ehrilichia Canis/ Babesia)	3 in 1	8T/Kit
	Canine	BFV065	Canine Blood Parasites II Detection Kit (Anaplasma/ Ehrilichia Canis/ Heartworm)	3 in 1	8T/Kit
	Canine	BFV070	Neospora caninum Detection Kit	Single	8T/Kit
	Canine	BFV072	Canine Blood Parasites III Detection Kit(Anaplasma/ Ehrilichia Canis/ Babesia/Lyme Disease)	4 in 1	8T/Kit
	Canine	BFV073	Cryptosporidium/Helicobacter pylori Detection Kit	2 in 1	8T/Kit
Anemia	Feline/Canine	BFV027	Ehrlichia Detection Kit	Single	8T/Kit
	Canine	BFV021	Babesia Detection Kit	Single	8T/Kit
	Canine	BFV036	Babesia canis/Babesia gibsoni Detection Kit	2 in 1	8T/Kit
	Canine	BFV050	Canine Anemia Detection Kit (Babesia canis/Babesia gibsoni /Lyme Disease/EhrilichiaCanis/ Canine Anaplasma/Hemotropic mycoplasmas)	6 in 1	8T/Kit
	Canine	BFV051	Canine Blood Parasite Detection Kit (Lyme Disease/ Ehrilichia Canis/Anaplasma/Heartworm)	4 in 1	8T/Kit
	Feline	BFV055	Feline Anemia Detection Kit(Bartonella Henselae/Hemotropic Mycoplasmas/Immunodeficiency Virus/Leukemia Virus)	4 in 1	8T/Kit
	Feline/Canine	BFV062	Hemotropic Mycoplasmas Detection Kit	Single	8T/Kit
	Canine	BFV067	Anaplasma Detection Kit	Single	8T/Kit
Others	Feline/Canine	BFV037	Brucella Detection Kit	Single	8T/Kit
	Canine	BFV016	Canine Adenovirus Type I Detection Kit	Single	8T/Kit
	Feline/Canine	BFV040	Rabies Virus Detection Kit	Single	8T/Kit



TEST MENU

Categories	Test Item	Package (Including 24 pre-filled extraction kits and 24 qPCR detection kit)
Equine	Equine Arteritis Virus (EAV)	24T/Kit
Equine	Herpesvirus Type 1 (EHV-1)	24T/Kit
Equine	Herpesvirus Type 4 (EHV- 4)	24T/Kit
Equine	Equine Infectious Anemia Virus (EIAV)	24T/Kit
Equine	Equine Influenza A Virus H3N8 (Influenza H3N8)	24T/Kit
Equine	Salmonella spp.	24T/Kit
Equine	Streptococcus equi	24T/Kit
Equine	T. equigenitalis	24T/Kit
Equine	Theileria equi	24T/Kit
Equine	African Horse Sickness (AHSV)	24T/Kit
Equine	*A. phagocytophilum	24T/Kit
Equine	*Herpesvirus Type 3 (EHV-3)	24T/Kit
Equine	*Lepto lipL32	24T/Kit
Equine	*Pseudomonas aeruginosa	24T/Kit
Equine	*Rotavirus A	24T/Kit
Equine	*Japanese Encephalitis (JEV)	24T/Kit
Equine	*Dourine/Trypanosoma Equiperdum	24T/Kit
Equine	*Hendra Virus (HeV)	24T/Kit
Equine	*West Nile Fever (WNV)	24T/Kit
Equine	*Nipah Virus (NiV)	24T/Kit
Equine	*Vesicular Stomatitis (VS)	24T/Kit
Equine	*Western Equine Encephalitis Virus (WEE)	24T/Kit
Equine	*Eastern Equine Encephalitis Virus (EEE)	24T/Kit
Equine	*Venezuelan Equine Encephalitis Virus (VEE)	24T/Kit



TEST MENU

Categories	Product Code	Test Menu	Type	Package
Bird	BFEV001	Parrot Borna Virus Detection Kit	Single	8T/Kit
	BFEV002	Psittacine Beak and Feather Disease Virus Detection Kit	Single	8T/Kit
	BFEV003	Avian polyomavirus Detection Kit	Single	8T/Kit
	BFEV004	Chlamydia Psittaci Detection Kit	Single	8T/Kit
	BFEV005	Psittacid Herpesvirus Detection Kit	Single	8T/Kit
	BFEV006	Pigeon Paramyxovirus Detection Kit	Single	8T/Kit
	BFEV008	Tritrichomonas Gallinae Detection Kit	Single	8T/Kit
	BFEV009	Pigeon Circovirus Detection Kit	Single	8T/Kit
	BFEV018	Pigeon adenovirus type 1 Detection Kit	Single	8T/Kit
	BFEV019	Pigeon adenovirus type 2 Detection Kit	Single	8T/Kit
Turtle	BFEV010	Parrot beak and feather disease virus/ Avian polyoma virus Detection Kit	2 in 1	8T/Kit
	BFEV016	Chelonid Herpesvirus Detection Kit	Single	8T/Kit
	BFEV017	Tortoise Mycoplasma Detection Kit	Single	8T/Kit
Rabbit	BFEV011	Encephalitozoon Cuniculi Detection Kit	Single	8T/Kit
	BFEV012	Rabbit Hemorrhagic Disease Virus Detection Kit	Single	8T/Kit
Mink	BFEV013	Mink Enteritis Virus Detection Kit	Single	8T/Kit
	BFEV014	Mink Canine Distemper Virus Detection Kit	Single	8T/Kit
	BFEV015	Aleutian mink disease virus Detection Kit	Single	8T/Kit
Reptiles	BFV024	Cryptosporidium Detection Kit	Single	8T/Kit

